

INCH-POUND
MIL-C-19978/18B
18 June 2001
SUPERSEDING
MIL-C-19978/18A
19 June 1990

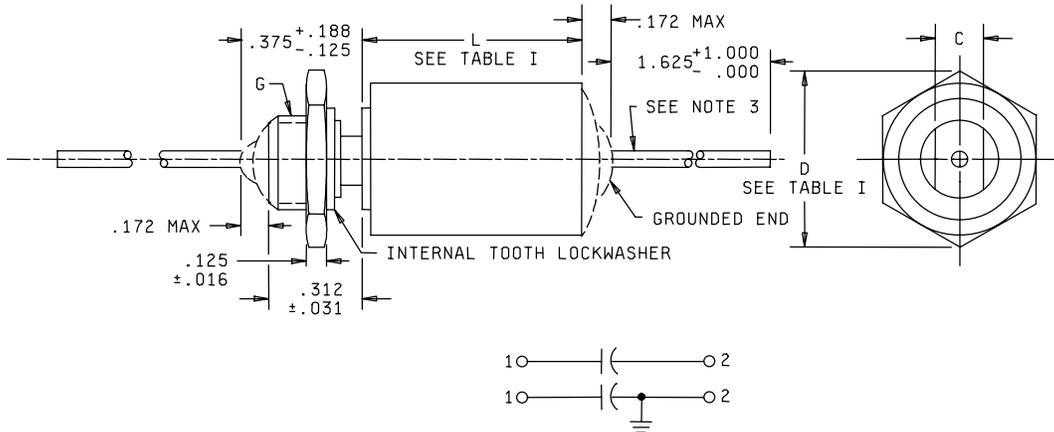
MILITARY SPECIFICATION SHEET

CAPACITORS, FIXED, PLASTIC (OR PAPER-PLASTIC) DIELECTRIC,
AXIAL-WIRE TERMINAL, THREADED-STUD RETAINER, TUBULAR (UNINSULATED),
(HERMETICALLY SEALED IN METAL CASES),
ESTABLISHED RELIABILITY, STYLE CQR43

INACTIVE FOR NEW DESIGN
AFTER 20 OCTOBER 1972

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification and MIL-PRF-19978.



| Inches | mm |
|--------|-------|
| .001 | 0.03 |
| .004 | 0.10 |
| .016 | 0.41 |
| .031 | 0.79 |
| .032 | 0.81 |
| .125 | 3.18 |
| .172 | 4.37 |
| .188 | 4.78 |
| .312 | 7.92 |
| .375 | 9.54 |
| 1.000 | 25.40 |
| 1.625 | 41.28 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Leads shall be of tinned solid wire, $.032 + .004, -.001$ (No. 20 AWG).
4. Mounting nuts and lockwashers shall be supplied.

FIGURE 1. Style CQR43 capacitors.

MIL-C-19978/18B

REQUIREMENTS:

Dimensions and configuration: See figure 1 and table I.

TABLE I. Style CQR43 capacitors.

| Part or Identifying Number (PIN) <u>1/</u> | DC voltage rating (volts) | Capacitance (μF) | Failure rate level | Case dimensions (inches) <u>2/</u> | | | |
|--|---------------------------|------------------|--------------------|------------------------------------|-----------------|-----------|-----------------|
| | | | | Circuit 1 | | Circuit 3 | |
| | | | | L ±.031 | D+.015 -.005 | L ±.031 | D+.015 -.005 |
| CQR43A-KB822K3- | 100 | .0082 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KB103K3- | 100 | .010 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KB123K3- | 100 | .012 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KB153K3- | 100 | .015 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KB393K3- | 100 | .039 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KB473K3- | 100 | .047 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KB823K3- | 100 | .082 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KB104K3- | 100 | .10 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KB124K3- | 100 | .12 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KB154K3- | 100 | .15 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KB184K3- | 100 | .18 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KB224K3- | 100 | .22 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KB274K3- | 100 | .27 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KB334K3- | 100 | .33 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KB394K3- | 100 | .39 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |
| CQR43A-KB474K3- | 100 | .47 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |
| CQR43A-KB564K3- | 100 | .56 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KB684K3- | 100 | .68 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KB824K3- | 100 | .82 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |
| CQR43A-KB105K3- | 100 | 1.0 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |
| CQR43A-KC392K3- | 200 | .0039 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KC472K3- | 200 | .0047 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KC562K3- | 200 | .0056 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KC682K3- | 200 | .0068 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KC183K3- | 200 | .018 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC223K3- | 200 | .022 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC273K3- | 200 | .027 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC333K3- | 200 | .033 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC393K3- | 200 | .039 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC473K3- | 200 | .047 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC563K3- | 200 | .056 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC683K3- | 200 | .068 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KC823K3- | 200 | .082 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KC104K3- | 200 | .10 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KC124K3- | 200 | .12 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KC154K3- | 200 | .15 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KC184K3- | 200 | .18 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KC224K3- | 200 | .22 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KC274K3- | 200 | .27 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |
| CQR43A-KC334K3- | 200 | .33 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |
| CQR43A-KC394K3- | 200 | .39 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KC474K3- | 200 | .47 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KC564K3- | 200 | .56 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |
| CQR43A-KC684K3- | 200 | .68 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |

See footnotes at end of table.

MIL-C-19978/18B

TABLE I. Style CQR43 capacitors - Continued.

| Part or Identifying Number (PIN) <u>1/</u> | DC voltage rating (volts) | Capacitance (μ F) | Failure rate level | Case dimensions (inches) <u>2/</u> | | | |
|--|---------------------------|------------------------|--------------------|------------------------------------|-----------------|--------------|-----------------|
| | | | | Circuit 1 | | Circuit 3 | |
| | | | | L \pm .031 | D+.015 -.005 | L \pm .031 | D+.015 -.005 |
| CQR43A-KC824K3- | 200 | .82 | M, P, R, S | 2.156 | .750 | 2.094 | .750 |
| CQR43A-KC105K3- | 200 | 1.0 | M, P, R, S | 2.156 | .750 | 2.094 | .750 |
| CQR43A-KE272K3- | 400 | .0027 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KE332K3- | 400 | .0033 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KE123K3- | 400 | .012 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KE153K3- | 400 | .015 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KE273K3- | 400 | .027 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KE333K3- | 400 | .033 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KE393K3- | 400 | .039 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KE473K3- | 400 | .047 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KE563K3- | 400 | .056 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KE683K3- | 400 | .068 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KE823K3- | 400 | .082 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KE104K3- | 400 | .10 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KE124K3- | 400 | .12 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |
| CQR43A-KE154K3- | 400 | .15 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |
| CQR43A-KE184K3- | 400 | .18 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KE224K3- | 400 | .22 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KE274K3- | 400 | .27 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |
| CQR43A-KE334K3- | 400 | .33 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |
| CQR43A-KE394K3- | 400 | .39 | M, P, R, S | 2.156 | .750 | 2.094 | .750 |
| CQR43A-KE474K3- | 400 | .47 | M, P, R, S | 2.156 | .750 | 2.094 | .750 |
| CQR43A-KF102K3- | 600 | .0010 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KF122K3- | 600 | .0012 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KF152K3- | 600 | .0015 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KF182K3- | 600 | .0018 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KF222K3- | 600 | .0022 | M, P, R, S | .771 | .400 | .708 | .400 |
| CQR43A-KF272K3- | 600 | .0027 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF332K3- | 600 | .0033 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF392K3- | 600 | .0039 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF472K3- | 600 | .0047 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF562K3- | 600 | .0056 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF682K3- | 600 | .0068 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF822K3- | 600 | .0082 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF103K3- | 600 | .010 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF123K3- | 600 | .012 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF153K3- | 600 | .015 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF183K3- | 600 | .018 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF223K3- | 600 | .022 | M, P, R, S | .896 | .400 | .833 | .400 |
| CQR43A-KF273K3- | 600 | .027 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KF333K3- | 600 | .033 | M, P, R, S | 1.146 | .400 | 1.083 | .400 |
| CQR43A-KF393K3- | 600 | .039 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KF473K3- | 600 | .047 | M, P, R, S | 1.396 | .400 | 1.333 | .400 |
| CQR43A-KF563K3- | 600 | .056 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KF683K3- | 600 | .068 | M, P, R, S | 1.146 | .562 | 1.083 | .562 |
| CQR43A-KF823K3- | 600 | .082 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |
| CQR43A-KF104K3- | 600 | .10 | M, P, R, S | 1.406 | .562 | 1.344 | .562 |

See footnotes at end of table.

MIL-C-19978/18B

TABLE I. Style CQR43 capacitors - Continued.

| Part or Identifying Number (PIN) ^{1/} | DC voltage rating (volts) | Capacitance (μF) | Failure rate level | Case dimensions (inches) ^{2/} | | | |
|--|---------------------------|------------------|--------------------|--|-----------------|-----------|-----------------|
| | | | | Circuit 1 | | Circuit 3 | |
| | | | | L ±.031 | D+.015 -.005 | L ±.031 | D+.015 -.005 |
| CQR43A-KF124K3- | 600 | .12 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KF154K3- | 600 | .15 | M, P, R, S | 1.656 | .562 | 1.594 | .562 |
| CQR43A-KF184K3- | 600 | .18 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |
| CQR43A-KF224K3- | 600 | .22 | M, P, R, S | 1.656 | .670 | 1.594 | .670 |
| CQR43A-KF274K3- | 600 | .27 | M, P, R, S | 2.156 | .750 | 2.094 | .750 |
| CQR43A-KF334K3- | 600 | .33 | M, P, R, S | 2.156 | .750 | 2.094 | .750 |
| CQR43A-KF394K3- | 600 | .39 | M, P, R, S | 2.406 | .750 | 2.344 | .750 |
| CQR43A-KF474K3- | 600 | .47 | M, P, R, S | 2.406 | .750 | 2.344 | .750 |

^{1/} Complete PIN shall include additional symbols to indicate circuit and failure rate level, as applicable. The term Part or Identifying Number (PIN) is equivalent to the term part number which was previously used in the specification.

^{2/} See table II for metric equivalents.

TABLE II. Millimeter equivalent of decimal inches.

| Inches | mm |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| .005 | 0.13 | .670 | 17.02 | .896 | 22.76 | 1.396 | 35.46 | 2.156 | 54.76 |
| .015 | 0.38 | .708 | 17.98 | 1.083 | 27.51 | 1.406 | 35.71 | 2.344 | 59.54 |
| .031 | 0.79 | .750 | 19.05 | 1.146 | 29.11 | 1.594 | 40.49 | 2.406 | 61.11 |
| .400 | 10.16 | .771 | 19.58 | 1.333 | 33.86 | 1.656 | 42.06 | | |
| .562 | 14.27 | .833 | 21.16 | 1.344 | 34.14 | 2.094 | 53.19 | | |

Case material: Nonmagnetic (end seal may be of magnetic material).

Dielectric material: Paper and polyethelene terephthalate (K).

Terminals: Axial-wire lead (see figure 1).

Rated voltage: See table I.

Rated temperature: -65° to +125°C.

Capacitance (nominal): See table I.

Capacitance tolerance: ±10 percent (symbol K).

Dissipation factor (DF) (max): 1.0 percent.

Failure rate level: M, P, R or S in accordance with MIL-PRF-19978.

Burn-in: In accordance with MIL-PRF-19978.

Radiographic inspection: In accordance with MIL-PRF-19978.

Seal: Method 112 of MIL-STD-202, test condition letter A.

Barometric pressure, qualification only: In accordance with MIL-PRF-19978.

Test points (see figure 1, circuit diagram):

Circuit diagram 1: Between terminals and case.

Circuit diagram 3: Between ungrounded terminal and case.

Insulation resistance (IR):

Terminal to terminal: See table III.

TABLE III. Terminal-to-terminal insulation resistance.

| Capacitance rating | Minimum insulation resistance |
|------------------------------|-------------------------------------|
| | <u>At 25°C</u> |
| 0 to 0.6 microfarad | 25,000 megohms |
| Greater than 0.6 microfarad | 15,000 megohm-microfarads <u>1/</u> |
| | <u>At 125°C</u> |
| 0 to 0.08 microfarad | 250 megohms |
| Greater than 0.08 microfarad | 20 megohm-microfarads <u>1/</u> |

1/ Product obtained by multiplying the capacitance in microfarads by the insulation resistance in megohms.

Terminal to case: Greater than 10,000 megohms.

Vibration, high frequency: Method 204 of MIL-STD-202, test condition B, with the following exception:

Direction and duration of motion - 4 hours in each of two mutually perpendicular directions (total of 8 hours), one parallel and the other perpendicular to the cylindrical axis.

Salt spray: In accordance with MIL-PRF-19978.

Solderability: In accordance with MIL-PRF-19978.

Terminal strength: Method 211 of MIL-STD-202, test condition letter D.

Stability at low and high temperature:

Low temperature:

Test temperature: -65°C +0°, -5°C.

Capacitance change (max): -10 percent.

High temperature:

Test temperature: +125°C +5°, -0°C.

Capacitance change (max): +10 percent.

Life:

Capacitance change (max): ±5 percent.

Resistance to soldering heat: In accordance with MIL-PRF-19978.

MIL-C-19978/18B

NOTE: Style CQR43 capacitors are substitutable for style CP13 capacitors formerly covered in MIL-C-25/1K as shown in table IV.

TABLE IV. Substitutability data.

| From | To | From | To |
|-----------------------|---------------------------|-----------------------|---------------------------|
| MIL-C-25/1K (CP13) | MIL-C-19978/18 (CQR43) | MIL-C-25/1K (CP13) | MIL-C-19978/18 (CQR43) |
| CP13A-KB822K- | CQR43A-KB822K3- | CP13A-KE273K- | CQR43A-KE273K3- |
| CP13A-KB103K- | CQR43A-KB103K3- | CP13A-KE333K- | CQR43A-KE333K3- |
| CP13A-KB123K- | CQR43A-KB123K3- | CP13A-KE393K- | CQR43A-KE393K3- |
| CP13A-KB153K- | CQR43A-KB153K3- | CP13A-KE473K- | CQR43A-KE473K3- |
| CP13A-KB393K- | CQR43A-KB393K3- | CP13A-KE563K- | CQR43A-KE563K3- |
| CP13A-KB473K- | CQR43A-KB473K3- | CP13A-KE683K- | CQR43A-KE683K3- |
| CP13A-KB823K- | CQR43A-KB823K3- | CP13A-KE823K- | CQR43A-KE823K3- |
| CP13A-KB104K- | CQR43A-KB104K3- | CP13A-KE104K- | CQR43A-KE104K3- |
| CP13A-KB124K- | CQR43A-KB124K3- | CP13A-KE124K- | CQR43A-KE124K3- |
| CP13A-KB154K- | CQR43A-KB154K3- | CP13A-KE154K- | CQR43A-KE154K3- |
| CP13A-KB184K- | CQR43A-KB184K3- | CP13A-KE184K- | CQR43A-KE184K3- |
| CP13A-KB224K- | CQR43A-KB224K3- | CP13A-KE224K- | CQR43A-KE224K3- |
| CP13A-KB274K- | CQR43A-KB274K3- | CP13A-KE274K- | CQR43A-KE274K3- |
| CP13A-KB334K- | CQR43A-KB334K3- | CP13A-KE334K- | CQR43A-KE334K3- |
| CP13A-KB394K- | CQR43A-KB394K3- | CP13A-KE394K- | CQR43A-KE394K3- |
| CP13A-KB474K- | CQR43A-KB474K3- | CP13A-KE474K- | CQR43A-KE474K3- |
| CP13A-KB564K- | CQR43A-KB564K3- | CP13A-KF102K- | CQR43A-KF102K3- |
| CP13A-KB684K- | CQR43A-KB684K3- | CP13A-KF122K- | CQR43A-KF122K3- |
| CP13A-KB824K- | CQR43A-KB824K3- | CP13A-KF152K- | CQR43A-KF152K3- |
| CP13A-KB105K- | CQR43A-KB105K3- | CP13A-KF182K- | CQR43A-KF182K3- |
| CP13A-KC392K- | CQR43A-KC392K3- | CP13A-KF222K- | CQR43A-KF222K3- |
| CP13A-KC472K- | CQR43A-KC472K3- | CP13A-KF272K- | CQR43A-KF272K3- |
| CP13A-KC562K- | CQR43A-KC562K3- | CP13A-KF332K- | CQR43A-KF332K3- |
| CP13A-KC682K- | CQR43A-KC682K3- | CP13A-KF392K- | CQR43A-KF392K3- |
| CP13A-KC183K- | CQR43A-KC183K3- | CP13A-KF472K- | CQR43A-KF472K3- |
| CP13A-KC223K- | CQR43A-KC223K3- | CP13A-KF562K- | CQR43A-KF562K3- |
| CP13A-KC273K- | CQR43A-KC273K3- | CP13A-KF682K- | CQR43A-KF682K3- |
| CP13A-KC333K- | CQR43A-KC333K3- | CP13A-KF822K- | CQR43A-KF822K3- |
| CP13A-KC393K- | CQR43A-KC393K3- | CP13A-KF103K- | CQR43A-KF103K3- |
| CP13A-KC473K- | CQR43A-KC473K3- | CP13A-KF123K- | CQR43A-KF123K3- |
| CP13A-KC563K- | CQR43A-KC563K3- | CP13A-KF153K- | CQR43A-KF153K3- |
| CP13A-KC683K- | CQR43A-KC683K3- | CP13A-KF183K- | CQR43A-KF183K3- |
| CP13A-KC823K- | CQR43A-KC823K3- | CP13A-KF223K- | CQR43A-KF223K3- |
| CP13A-KC104K- | CQR43A-KC104K3- | CP13A-KF273K- | CQR43A-KF273K3- |
| CP13A-KC124K- | CQR43A-KC124K3- | CP13A-KF333K- | CQR43A-KF333K3- |
| CP13A-KC154K- | CQR43A-KC154K3- | CP13A-KF393K- | CQR43A-KF393K3- |
| CP13A-KC184K- | CQR43A-KC184K3- | CP13A-KF473K- | CQR43A-KF473K3- |
| CP13A-KC224K- | CQR43A-KC224K3- | CP13A-KF563K- | CQR43A-KF563K3- |
| CP13A-KC274K- | CQR43A-KC274K3- | CP13A-KF683K- | CQR43A-KF683K3- |
| CP13A-KC334K- | CQR43A-KC334K3- | CP13A-KF823K- | CQR43A-KF823K3- |
| CP13A-KC394K- | CQR43A-KC394K3- | CP13A-KF104K- | CQR43A-KF104K3- |
| CP13A-KC474K- | CQR43A-KC474K3- | CP13A-KF124K- | CQR43A-KF124K3- |
| CP13A-KC564K- | CQR43A-KC564K3- | CP13A-KF154K- | CQR43A-KF154K3- |
| CP13A-KC684K- | CQR43A-KC684K3- | CP13A-KF184K- | CQR43A-KF184K3- |
| CP13A-KC824K- | CQR43A-KC824K3- | CP13A-KF224K- | CQR43A-KF224K3- |
| CP13A-KC105K- | CQR43A-KC105K3- | CP13A-KF274K- | CQR43A-KF274K3- |
| CP13A-KE272K- | CQR43A-KE272K3- | CP13A-KF334K- | CQR43A-KF334K3- |
| CP13A-KE332K- | CQR43A-KE332K3- | CP13A-KF394K- | CQR43A-KF394K3- |
| CP13A-KE123K- | CQR43A-KE123K3- | CP13A-KF474K- | CQR43A-KF474K3- |
| CP13A-KE153K- | CQR43A-KE153K3- | | |

MIL-C-19978/18B

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:

DLA - CC

(Project 5910-2118-04)

Review activities:

Army - AR, AT, AV, MI
Navy - AS, MC, OS, SH